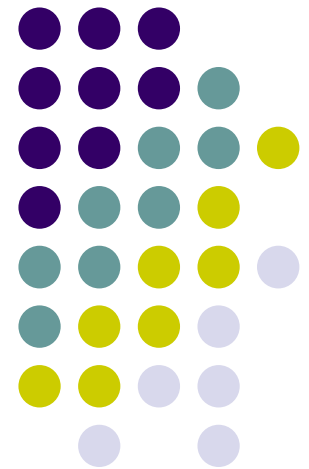


# Renewable Energy Transmission Initiative

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Subject: Draft RETI Report Release  
Local Agency WebEx







# Overview

- **Stakeholder-Driven Collaborative Planning Process**
- **Create Transmission Plans** to achieve 33% goal.
  - First Step: Identify and rank of Competitive Renewable Energy Zones (CREZ) to target best areas to build out transmission.
- **Will inform** renewable generation & transmission line permitting & planning (without usurping any authority)---
  - CPUC, POU, & federal transmission permitting
  - CPUC oversight of IOUs' RPS procurement
  - CEC transmission corridor designation
  - CAISO transmission planning & queue reform
  - CEC, local & federal renewable generation permitting





# Overview

- Assumes remote renewables are necessary to meet 20% and 33% RPS goals
- Compares renewables to renewables
  - Does not compare renewables to other options/loading order
- Prioritizes renewable zones & required transmission
  - Economic Costs
  - Environmental impact
- Emphasizes stakeholder involvement, vetting



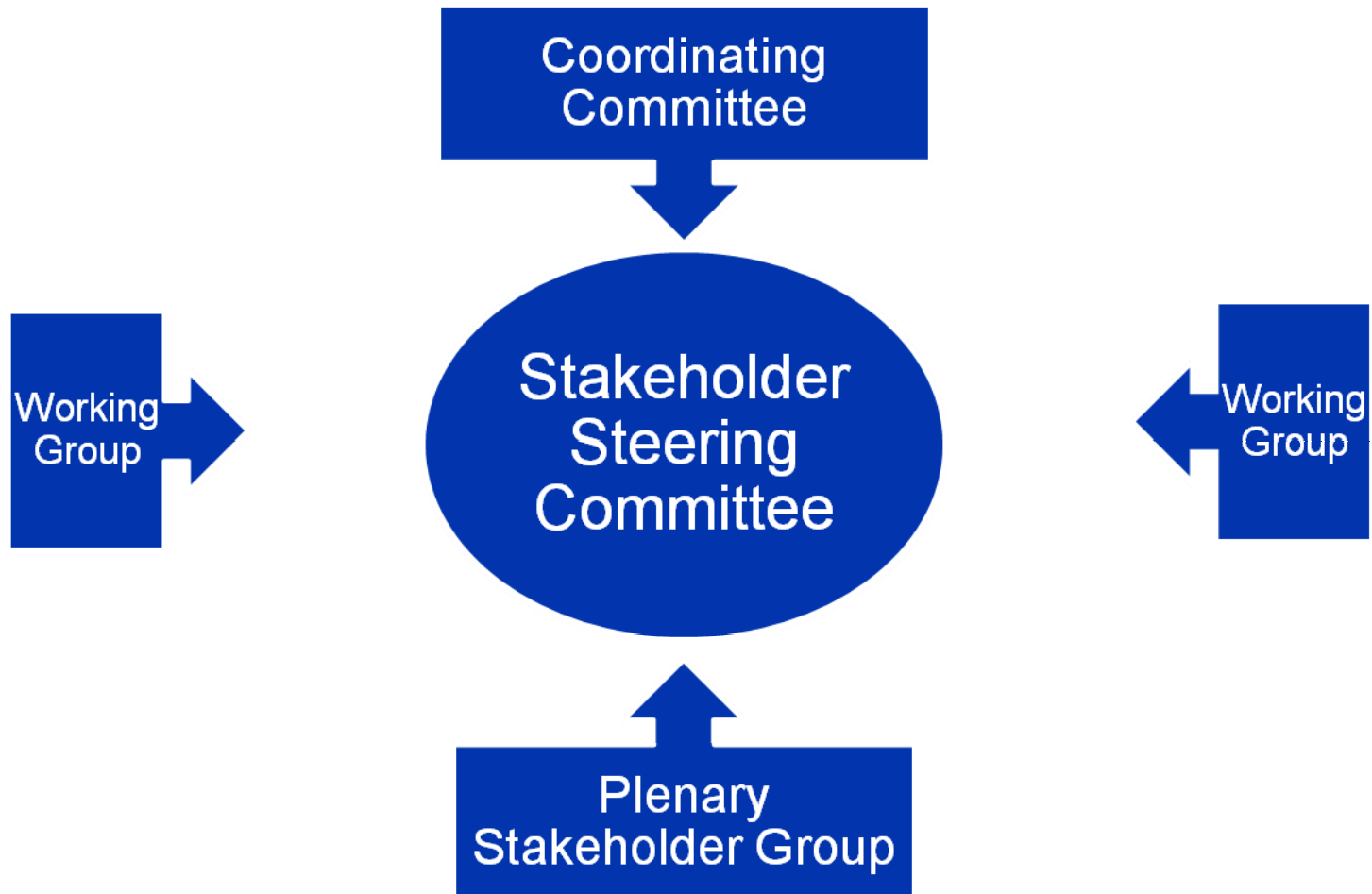


# Organizational Structure

- Coordinating Committee
  - Agencies, Utilities
- Stakeholder Steering Committee
  - 29 Stakeholders
- Plenary Stakeholder Group
  - General Public, Interest Groups



# Structure







# Scope and Timing

- Phase 1 (12/08 completion target)
  - Identification and Ranking of CREZs
    - Phase 1A: Criteria, Assumptions & Methodology
    - Phase 1B: CREZ Identification and Ranking
    - Preliminary Draft Report Completed August, 2008
    - **Draft Report & Maps Issued November 5, 2008**
- Phase 2 (Spring 09 completion target)
  - Development of conceptual transmission plans
- Phase 3 (2010 completion target)
  - Detailed transmission plans of service





# RETI Statewide Processes

## CEC

Strategic Plan

Corridor Designation

Power Plant Siting

## CPUC

RPS

Long-Term  
Procurement

Transmission  
Permitting

## **RETI**

Phase  
**1**

Phase  
**2**

Phase  
**3**

**Renewable Energy Transmission Initiative**

## **CAISO & POU's**

*Transmission Planning Processes*

Generator  
Interconnection  
Process

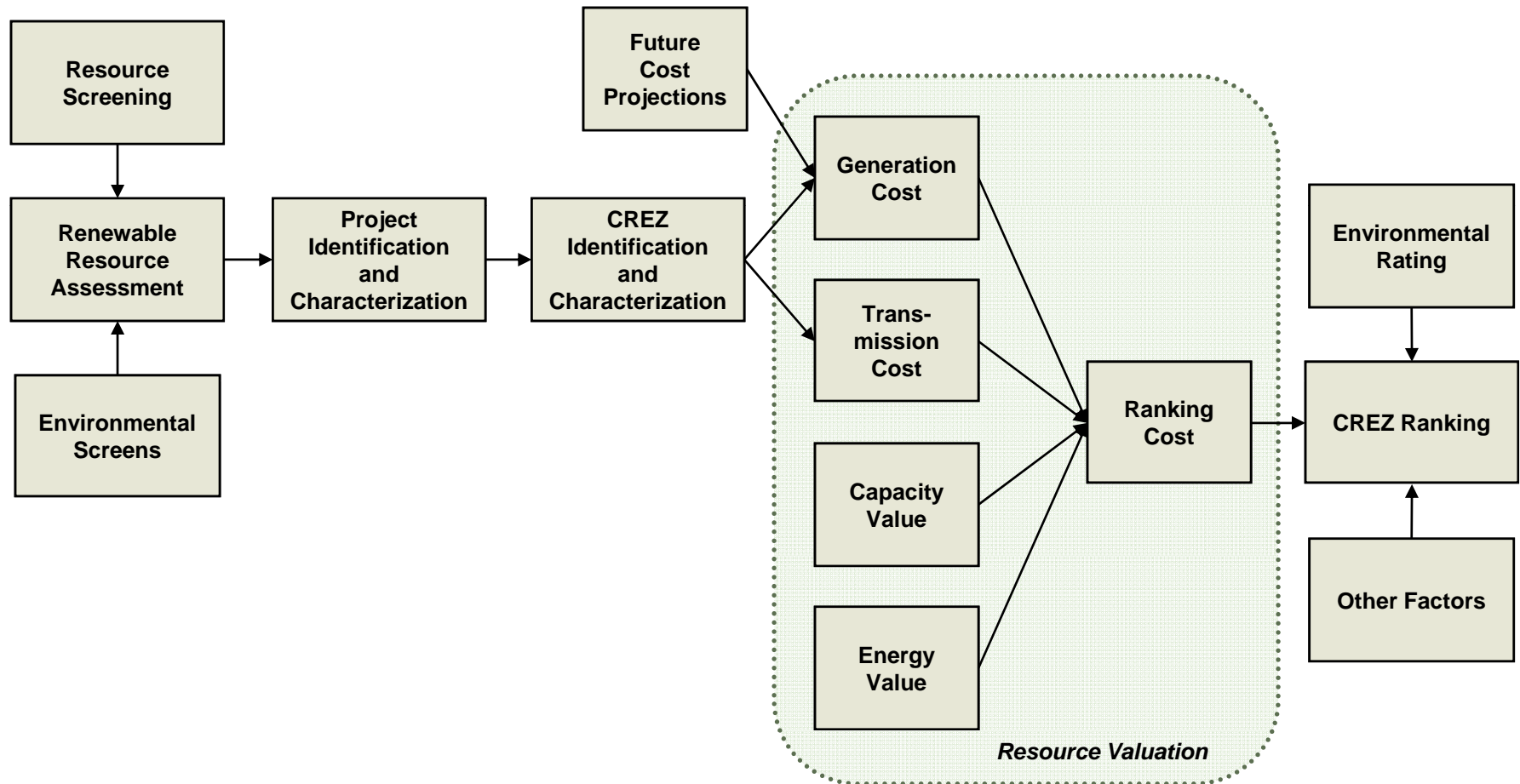
FERC  
Order 890

Subregional  
Planning  
Process

POU  
Certification  
Process



# Phase 1 Methodology







# 11/5/08 Draft Report Results

- 29 CREZ in California Identified and Ranked
  - Representing 200,000 GWh/yr
    - Need 68,000 GWh/yr for 33%
  - 110,000 GWhr/yr out-of-state CREZ
  - General Transmission requirements identified
  - Environmental Screening and Ranking included





# Phase 1 – Environmental Review

Areas that were Excluded and Restricted from Development---

Category 1: Areas where law or policy currently prohibits development, for example:

- Designated federal Wilderness areas
- Units of National Park System
- USFS Roadless Areas
- National Wildlife Refuges

Category 2: Areas where existing restrictions are expected to limit development, for example:

- BLM Areas of Critical Environmental Concern
- Designated Critical Habitats for Federally listed Endangered/Threatened Species
- Proposed and Potential Conservation Reserves in HCPs & HCPPs





# Phase 1 – Environmental Review

- CREZ Rating Formulas for 8 Criteria
  - Amount of degraded land in CREZ
  - Affected area (Development Footprint)
  - Significant Species impacted by CREZ
  - Sensitive Areas near CREZ Boundaries
  - Sensitive Areas inside CREZ
  - Transmission ROW needed to link CREZ
  - Wildlife Corridors impacted by CREZ
  - Bird Habitat impacted by CREZ